

COMMON USACE PARTNERS:

MILITARY
EDUCATIONAL INSTITUTES
WATER SAFETY



U.S. ARMY



US Army Corps
of Engineers®



WRDA 2022, Sec 8124: Reserve Component Training



Benefits of Military Troop Support at CW Projects:

- Provides invaluable and necessary training for military units to build readiness and gain construction/project management skills on projects that cannot be replicated elsewhere
- Interaction between uniformed service members with civilian technical experts in USACE provides well-rounded engineer forces that are better trained and equipped with the skills necessary to accomplish mission-essential tasks.
- Accomplishes goals of NRM program and completes projects that are unfunded and/or backlog maintenance items
- Gains efficiency for projects' strained maintenance funding





Troop Training Exercise Examples

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- Heavy equipment training for road resurfacing
- Design, construction and/or repair of trails, gatehouses, campsites, fish habitat, ADA fishing docks, radio towers, bridges, drainage ditches, splash pads, playgrounds, sewer systems, pole barns, roads, parking lots, pipes, picnic shelters, stairs, sun shelters
- Disaster response
- Search and rescue training
- Boundary and monument surveys
- Aerial inspections
- Dive team underwater inspections, video, photography, assessments
- Demolition of radio tower, buildings, rocks in quarry
- Flood debris removal
- Prescribed fire and firefighting
- Plumbing and electrical work
- Earth moving/hauling for environmental restoration and erosion protection
- Replacement of whalers and cleats on boat dock and house
- Damaged gage sensor reconnaissance





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Section 8124 of WRDA 2022 Authority

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- Permits reserve components of the Armed Forces, in carrying out military training activities or otherwise fulfilling military training requirements, to perform services and furnish supplies in support of a USACE water resources development project or program without reimbursement.
- Reserve components of the Armed Forces include:
 - Army National Guard when federally activated in Title 10 status
 - Army Reserve
 - Navy Reserve
 - Marine Corps Reserve
 - Air National Guard when federally activated in Title 10 status
 - Air Force Reserve
 - Coast Guard Reserve
- This authority does NOT pertain to state activated National Guard units operating in a non-federal Title 32 status. (HOWEVER: These are permissible under the authority of 33 USC 2325 consistent with Contributions Program guidance.)





Where to Find Reserve and Guard Units



- Air Force Reserve: <https://www.afrc.af.mil/Units/Units-by-State/>
- Army Reserve: <https://www.usar.army.mil/Locate-a-Reserve-Unit/Reserve-Unit-Locations/>
- Coast Guard Reserve: <https://www.reserve.uscg.mil/>
- Marine Corps Reserve:
https://www.marforres.marines.mil/portals/116/docs/units/mfr_directory_pdf.pdf
- Navy Reserve: <https://www.thereserveforce.com/navy/nosc/>
- Air National Guard: <https://www.nationalguard.mil/Resources/State-Websites/>
- Army National Guard: <https://nationalguard.com/select-your-state>



Active Duty vs. Reserve vs. National Guard



- **Active duty:** Member serves in the military full time, may live on a military base, and can be deployed at any time.
- **Reserve or National Guard:** Members are not full-time active-duty military personnel, although they can be deployed at any time should the need arise.
 - **Reserve:** Each branch of the military has a Reserve component. The purpose of the Reserve is to provide and maintain trained units and qualified persons to be available for active duty in the armed forces when needed. The primary job of the Reserve is to fill the gaps in stateside service positions when the active-duty forces ship overseas.
 - **Army or Air National Guard:** While federally funded, the National Guard is organized and controlled by state, operating in a non-Federal Title 32 status. However, in times of war, the National Guard can become federalized and deployed in a Title 10 status.



Key Provisions



- Services cannot be accepted from any reserve component member employed by USACE
- Soldiers performing services under this authority on USACE projects are considered employees/members of the reserve component to which they are assigned, and the soldiers will remain under the command and control of their applicable units.
- All pay, allowances, and benefits, to include any liability protection of reserve component members are 100% the responsibility of the reserve component.
 - Exception: Travel expenses of reserve component members may be funded by USACE through an Economy Act order as necessary.
- USACE may provide supervision and materials to execute a project.
- Soldiers may operate USACE vehicles, machinery, or other equipment if they have proper training, licenses, or experience in accordance with USACE policies.



Armed Forces Reserve Component Training Agreement (AFRCTA)



- All support provided by reserve components under this authority will be agreed upon/defined in an Armed Forces Reserve Component Training Agreement (AFRCTA) signed by reserve unit and USACE leadership.
- Approval levels for AFRCTA:
 - MSC Commanders for any agreement exceeding a total value of \$1,000,000 for any of their districts.
 - District Commanders for agreements with a total value greater than \$500,000, but equal to or less than \$1,000,000.
 - District Chiefs of Operations for agreements with a total value greater than \$100,000, but equal to or less than \$500,000.
 - OPMs/Park Managers for agreements with a total value equal to or less than \$100,000.
- Work accomplished by reserve components shall be within current USACE authorities and contained in the annual or five-year plan in the approved OMP or Master Plan.



Armed Forces Reserve Component Training Agreement (AFRCTA)



- Purpose and goal of the training exercise
- Work to be accomplished, to include a project schedule and detailed scope of work description;
- Detailed description of the project site
- Equipment, materials, personnel provided by the reserve component and by the USACE
- Responsibility for lodging and meal accommodation costs for projects not in the immediate vicinity of the reserve component location
- Safety requirements
- Security and access requirements for the project site
- Requirement that USACE review all design plans
- Responsibility for damage to USACE property
- Points of contact for each organization





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Military: Operation Warfighter/Wounded Warrior

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- Many agencies have **hired wounded warriors into permanent positions** as they “graduate” from OWF and transition out of the military.
- Many participants have indicated that OWF, as a wellness activity, restored a sense of normalcy and **eased the transition back to work.**
- Not just about employment – Placing wounded, ill and injured Service members in supportive work settings outside of the hospital environment **positively impacts the recuperation process.**

Put that Unusual Skill to use



- Wounded Warrior Travis Barnett participates in the unmanned aerial vehicle program in SAJ
- IDs prop scarring on manatees and digitizes into ARC GIS so planners can accurately quantify scarring
- Locates & IDs plant species
- Performs maintenance on UAVs
- Developed a comprehensive UAV training program for new pilots and ground station operators.



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DoD Skillbridge Program

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- Allows Service members to gain valuable civilian work experience through specific industry training, apprenticeships, or internships during the last 180 days of service.
- For Service members: provides chance to work and learn in civilian career areas
- For USACE: access and leverage the world's most highly trained and motivated workforce at no cost. DOD pays for all salary and benefits
- Service members participating in SkillBridge receive their military compensation and benefits, and industry partners provide the training and work experience.
- Need to sign an MOU with DOD and then post the opportunities on the SkillBridge page.
- <https://skillbridge.osd.mil/program-overview.htm>
- <https://skillbridge.osd.mil/industry-employers.htm>
- <https://home.army.mil/imcom/index.php/customers/career-skills-program>





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Wounded Warriors.Org

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MISSION: To honor and empower wounded warriors.

VISION: To foster the most successful, well-adjusted generation of wounded warriors in this nation's history.

PURPOSE:

- Raise awareness/enlist public's aid for injured service members
- Help injured service members aid and assist each other.
- Provide unique, direct programs and services to meet the needs of injured service members.



Partnership between USACE Jennings Randolph Lake, Storm Mountain, Inc., and the Wounded Warrior Project – raised \$32,000



Texas Parks and Wildlife Department and U.S. Army Corps of Engineers, Fort Worth District's Town Bluff Project Office – Alligator hunt



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Jennings Randolph Physically Challenged Hunt

<https://www.youtube.com/watch?v=Yu4nPkc67ZY>

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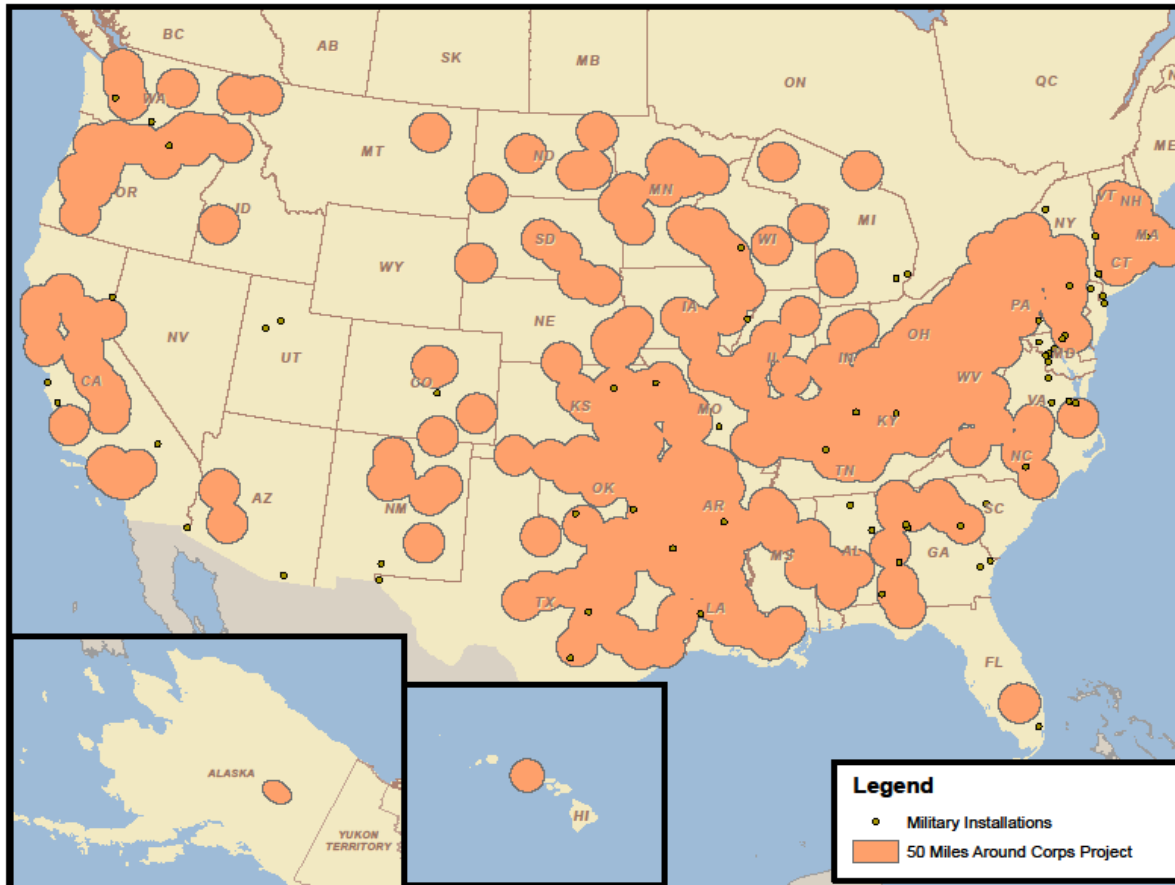


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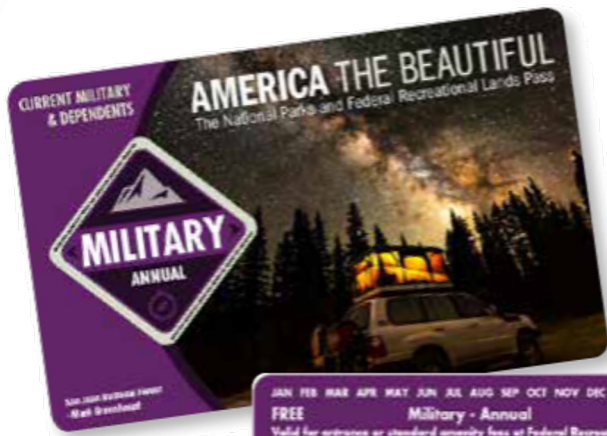
MWR Programs on Military Bases

51% of Army installations are within 60 miles of USACE lake: Reach out and market your programs!





ATB Military Passes



Annual pass

Cost: Free

Available to:

- Current US military members and their dependents in the Army, Navy, Air Force, Marines, Coast Guard, and Space Force, as well as Reserve and National Guard members



Lifetime pass

Cost: Free

Available to:

- US military veterans
- Gold Star Family members

C.A.S.T. Program – Take A Warrior Fishing Program



Eastman C.A.S.T. Take a Warrior Fishing event. Courtesy of castforkids.org



<http://castforkids.org/project/twf-program/>

Past TWF event locations:

- SAD: West Point, Tenn-Tom Waterway, Seminole, Walter F George
- LRD: Caesar Creek
- SWD: Waco, Big Hill, Grapevine, Canyon, Lewisville
- SPD: Pine Flat, Eastman, Success
- NWD: The Dalles, Willamette Valley



Fisheries for Veterans

<http://f4v.ketrick.org/>



Nonprofit partnership that works with local communities to help design, develop and conduct activities connecting veterans and their families, local communities, government programs, and non-profit organizations





ROTC/JROTC at DeGray Lake

- Brings approximately 60 high schools from around the state to the project and builds relationships with the Henderson State University/Ouachita Baptist University ROTC program.
- Provides an alternate location for local guard units to conduct PT training, rucksack march, as well as land navigation
- Members of the ROTC and JROTC serve as volunteers on trail maintenance projects and the Annual Shoreline Cleanup





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Natural Resources Management Gateway

to the future . . .

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Home Visitors Lake Discovery Recreation Env Compliance Env Stewardship Partners ?
News/Events People Forums Learning GETS Tools New Postings Submit Index/Search ?

Military Partnerships

Military Partnerships

The Corps of Engineers is dedicated to encouraging the use of Corps recreation resources by the military and their families. Increased public awareness of Corps recreation programs, including increased awareness by Department of Defense and Armed Forces Commands, is a high priority.

Goal 2.4 of the [Corps Recreation Strategic Plan](#) is to "Strengthen relationships with military installations to meet the needs of both military families and the recreating public to foster use of Corps facilities by active duty, retired, and reserve military veterans and families."

The Corps will contribute to the readiness and resilience of military members and their families through their participation in activities and programs at Corps lakes and rivers. The Corps will strengthen its unique relationship with the U.S. Armed Forces by expanding recreation programs and services for military members and their families. The Corps will promote safe and healthy outdoor recreation opportunities at Corps projects to all U.S. Armed Forces personnel, military families, and veterans.

- [Armed Forces Recreation Program](#)
- [Warriors in Transition Program](#)
- [Wounded Warrior Project](#)
- [Operation Purple Camps](#)
- [Operation Warfighter Program](#)
- [News/Current Issues](#)
- [Corps/Military Partnership Success Stories](#)
- [Military Installations on Corps Lands](#)
- [Army Installations Near Corps Lakes](#)

[Technical Problems](#)
Undated: July 2011



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WHAT IS YOUR PROJECT DOING WITH THE MILITARY?



Educational Institute Partnerships



- Involvement with local universities and schools is a natural fit with the Corps' increasing emphasis on environmental stewardship and STEM.
- A good program can foster ownership of the project, which is beneficial when seeking community support.
- Think beyond the obvious... graphic design, environmental studies, event planning, recreation, biological sciences, engineering, architecture
- Give them the opportunity to say yes.

Job/Intern Fairs

These are an easy way to begin interaction with your local university.



- Recruit volunteers
- Educate
- Establish an agency presence
- Establish relationships



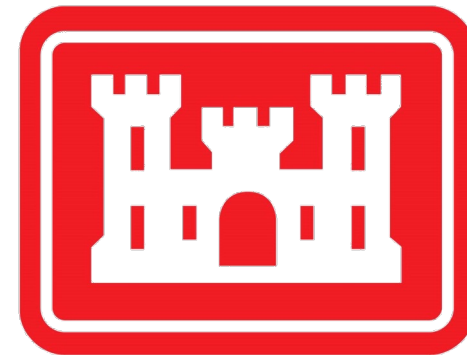
Guest Speaker for Intro to Rec Classes

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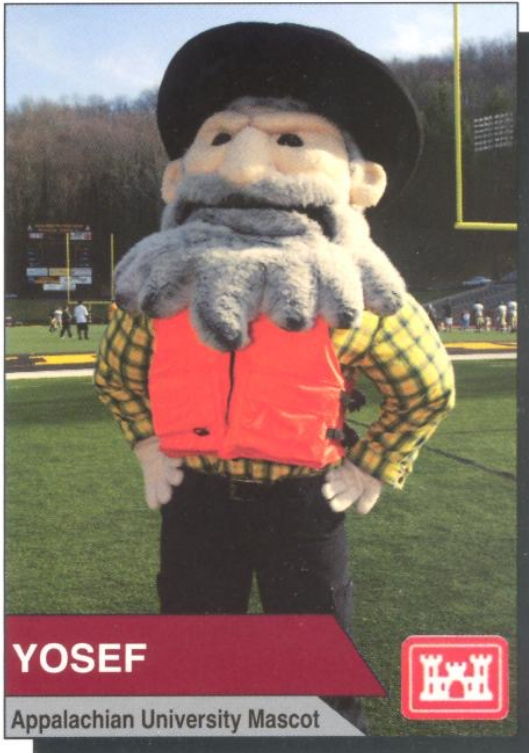
The Athletic Department is a great way to promote water safety but the Recreation Department is your best way to get direct student interaction at your lake project.

- Educate
- Establish an agency presence
- Recruit
- Develop relationships



SM

Case Study: W. Kerr Scott Lake & ASU



- **Make initial school commitment easy**, i.e. “Could we have 10 minutes of your time to take a picture of the mascot in a life jacket? Anytime would work for us.”
- At W. Kerr Scott Reservoir in SAW, Appalachian State University allowed a ranger to come to a practice to get photos and video of players, coach and mascot wearing life jackets and promoting water safety.
- *Note: Always take photos of the mascot and coach separately in addition to together in case of coaching staff changes.*

W. Kerr Scott Lake- SAW- North Carolina

Origin- Ranger Eller got the idea to work with ASU after the football team made headlines for defeating Michigan, reached out to Rec and Athletic Departments to find opportunities to work together, partnership snowballed from there.



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<https://www.youtube.com/watch?v=hICV-U9fsEo>





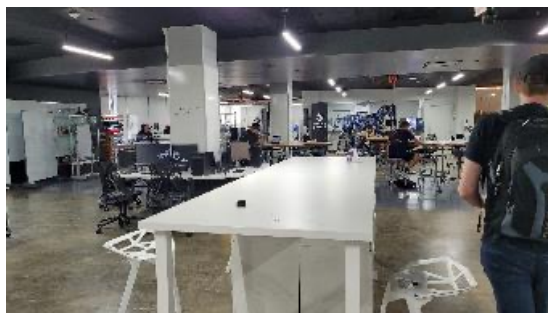
Senior Design Classes: National Innovations Team and University of Texas Arlington



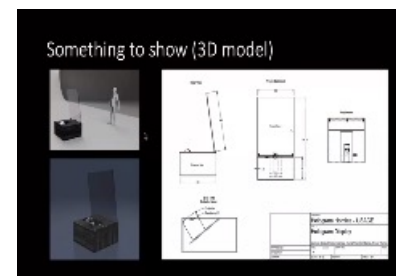
- Establishing MOU for 2022-2023
- Senior Design Classes are (2) Semester program: 1st Semester is planning, design, resourcing. 2nd Semester is building out the Innovation into a physical prototype/product.
- Small teams of Senior Design IT Students pair up with Innovations Sub teams and work together on challenging Innovations Prototypes and Products.
- Each group works together for an entire year. University funds first \$800 of R&D for the students.
- Currently working on: Augmented Reality Floor Projections, USACE Corps Catch, Park Ranger Holograms, VR/360 App, & Sign Translator Tool.



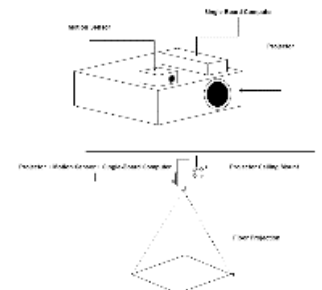
Innovations Team presenting to UTA Class



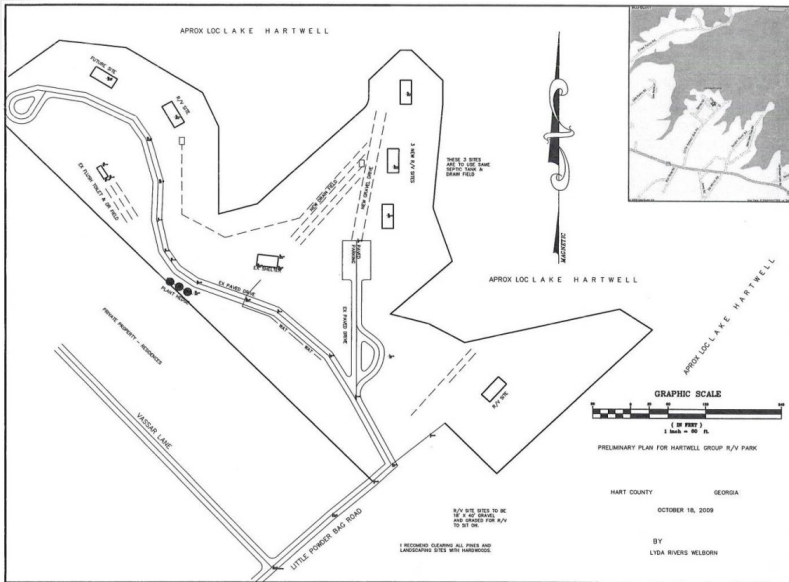
One of the Fabrication Labs at UTA



Preliminary UTA Designs for AR Floor Projections and Park Ranger Holograms.



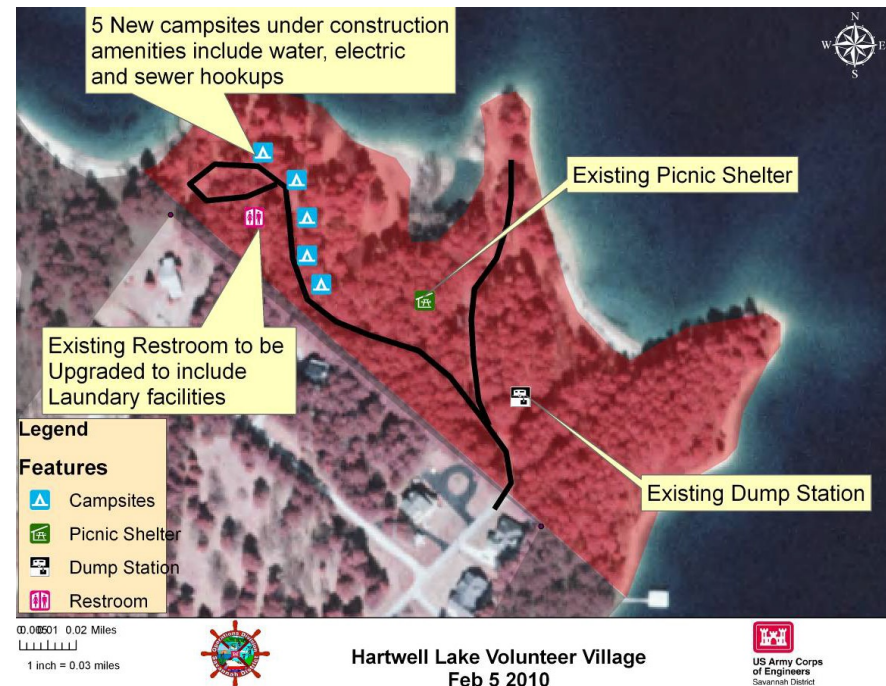
Clemson University Department Of Parks, Recreation, Tourism



- 2009 MOU with Clemson for facility planning, outreach, data collection, program development

**Hartwell Lake-
SAS- Georgia**

- Student assignment to design a volunteer village
- Winning design implemented at Hartwell





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Finished product!





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Trail Design at Mark Twain Lake

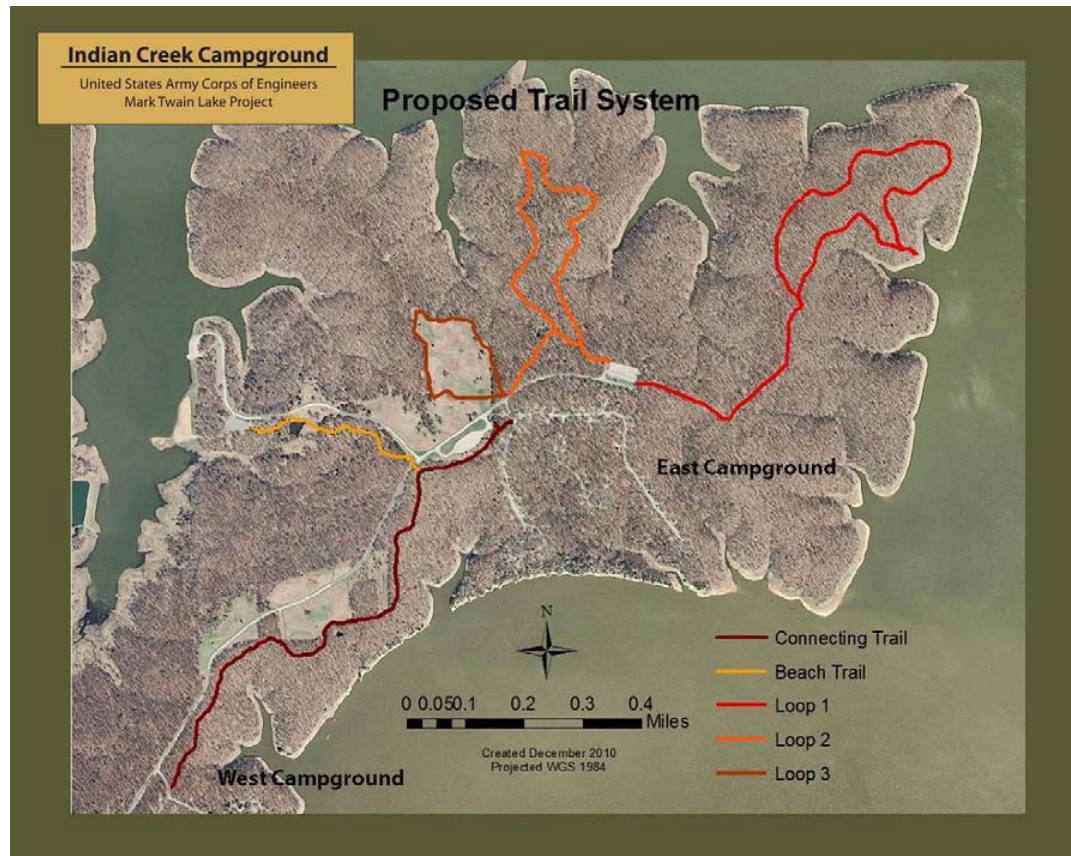
30



- MOU with Western Illinois University and the FOREST Council
- Worked with Open Space Park Planning/ Landscape Construction class on needs assessment and design of multi-use trail project
- FOREST Council applied for grant \$

Mark Twain Lake- MVS- Missouri

Origin: Several USACE NRM staff were WIU graduates and knew a professor that taught recreational trail design.





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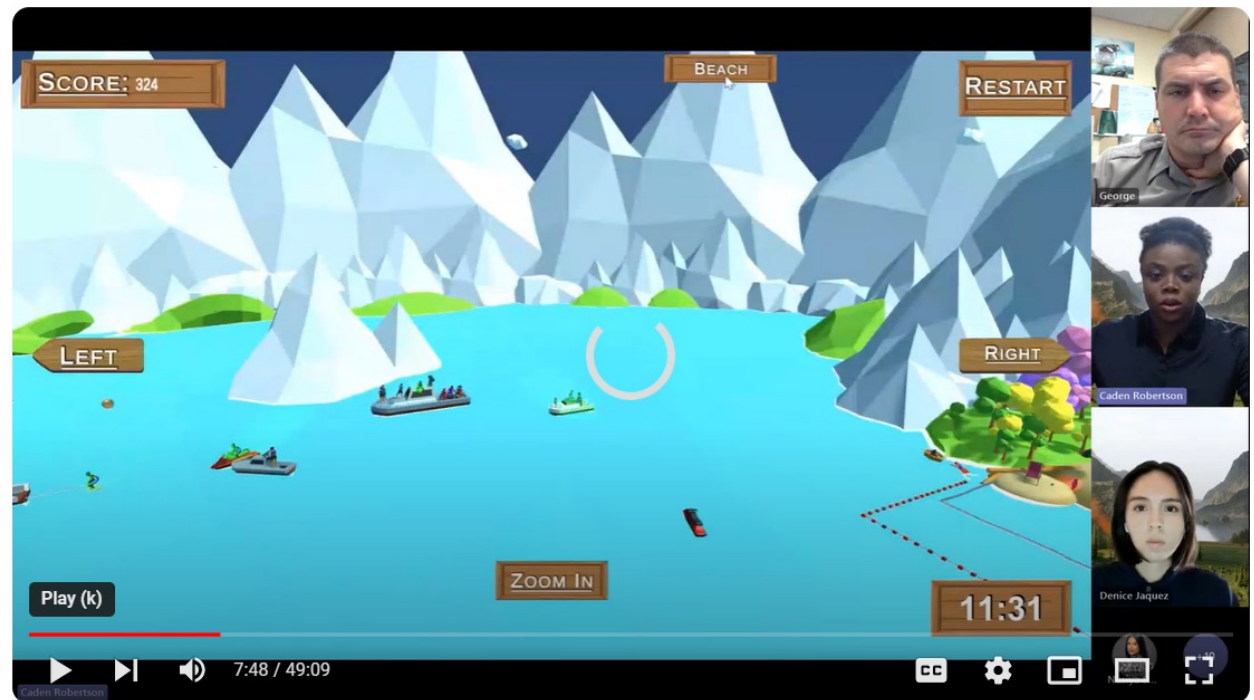
Carters Lake Water Safety Game with KSU (SAD)

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- KSU College of Computing and Software Engineering worked with Carters Lake in Georgia
- Three teams developed prototypes and proposals for an “I Spy... Water Safety” game
- USACE staff selected favorite to develop further and implement at the project visitor center and on their website
- Presentations by the student teams:

<https://www.youtube.com/watch?v=6WwPXPnBel>



Fall 2023 Final Presentation for Carters Lake

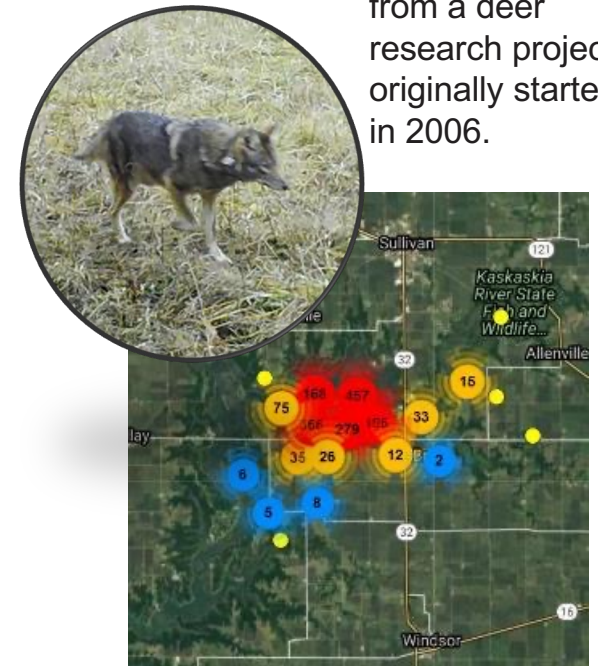
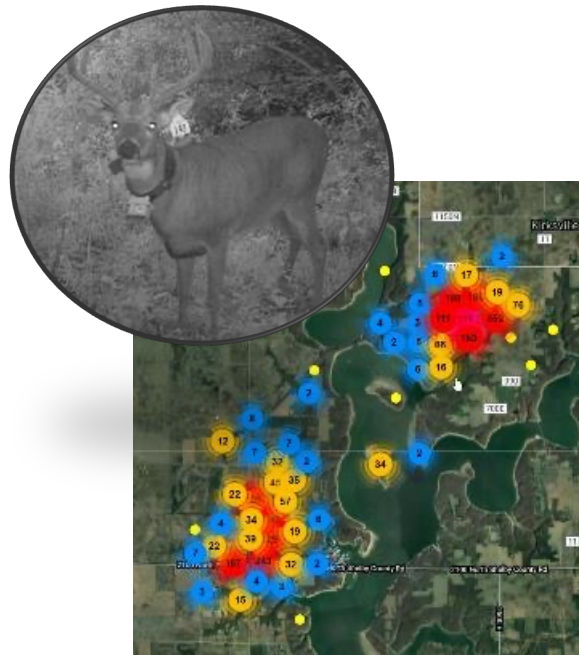
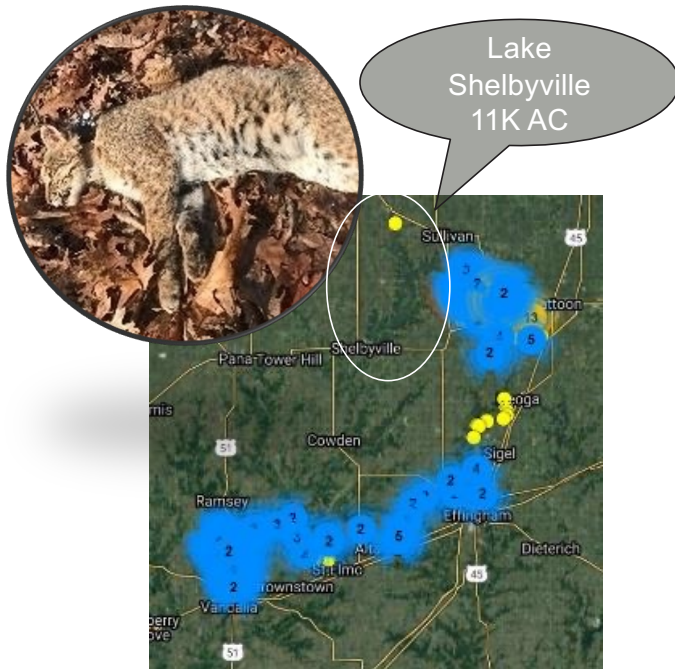
Southern Illinois University at Lake Shelbyville- MVS



Study aimed at determining the effects of coyotes and bobcats on survival and behavior of white-tailed deer and determine how it varies between contiguous and fragmented landscapes.

- Young female bobcat GPS collared. Travelled approx. 65 miles from site of capture within first month.
- Buck tagged at 2.5 years old. Summered on east side of the lake and crossed the lake.
- Coyote shown to have a home range of approx. 20% of Lake Shelbyville.

Origin: This study spun off from a deer research project originally started in 2006.





Restoring Native Species at Allatoona



- Lake Allatoona has a 10-year plus relationship with Berry College.
- Ranger Terrell Stoves approached a professor at the college about a possible partnership to reintroduce the Mountain Longleaf Pine to Pine Mountain at the project.
- This success led to the expansion of the program 7 years later to include the project as a test site for the introduction of potentially blight resistant American Chestnuts.



- The Professor on the Longleaf Pine project also happened to be the state coordinator for the American Chestnut Foundation with whom the Corps has a National MOU.

Allatoona Lake- SAM- Georgia

Boise State Kestrel Box Program

- Students at BSU build and install kestrel nest boxes, develop management plan, monitor populations, and band birds.



Lucky Peak Lake- NWK- Idaho

Origin: Project wanted to expand the ENS program, connected with experts at the World Center for Birds of Prey who advised that Lucky Peak would be great Kestrel habitat except there aren't any trees for cavity nesting birds. Connected with BSU who already had a Kestrel nest box program, and the partnership grew from there, including a partnership with New Roots organization that connects refugee and immigrant children to their new natural environment.



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Franklin Pierce Bat Studies at Edward MacDowell

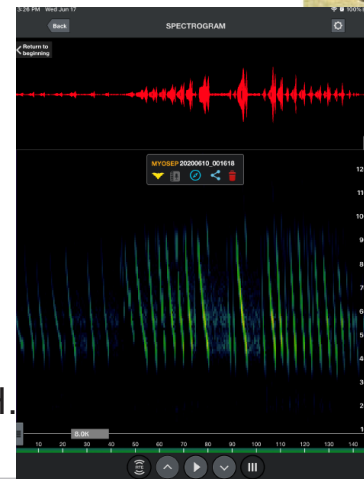
35



- Students conduct studies to determine bat species presence to establish a baseline data set
- Mist netting surveys in 2019
- Acoustic surveys in 2020-2021
- Seven of eight known bat species in NH documented
- Three of four state endangered bat species present
- Future studies hope to incorporate telemetry to document forest-ed areas used as roosting habitat by target species such as the northern long-eared bat.

Edward MacDowell Reservoir- NAE- New Hampshire

Origin: Univ. biologist approached USACE to form partnership because this project had the most diversity of bat species in NH.





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**WHAT IS YOUR PROJECT DOING
WITH EDUCATIONAL INSTITUTES?**



Water Safety Partnerships with National Organizations





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U.S. Coast Guard/ USCG Auxiliary

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- National MOU
- Boating Safety Classes
- Boat Patrol
- Vessel Safety Checks
- Brochures for Distribution
- Assistance with Special Events
- Find a USCGA Flotilla near you at



www.cgaux.org/units.php

www.uscgboating.org

Boat U.S. Foundation



- National MOU
- Life Jacket Loaner Program
- Grassroots Grants
- Free Brochures
- On-line Boating Simulator and Games
- On-line Boater's Toolbox
- www.boatus.com/foundation





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Safe Kids
USA

Safe Kids USA

- National MOU
- Special Events
- Educational Tip Sheets
- Research Reports
- Find a Safe Kids Coalition near you www.safekids.org

2019 Ranger Trading Card Program

Our purpose is to increase water safety awareness among children and parents.



PROGRAM GUIDELINES

1. Park Rangers will distribute cards to children 15 years of age and under.
2. Children can obtain cards by answering questions and/or by demonstrating to the Park Ranger that he/she understands safe swimming and/or boating practices regarding water safety.
3. Cards must be brought to the Project Management Office to be redeemed for prizes.



Award items are available at:

Allatoona Lake Operations
Project Management Office
1138 GA Highway Spur 20
Cartersville, GA 30121
• For questions or office hours •
Call 678-721-6700.

A Special Thank You to Our Sponsors:



Allatoona Lake
"Pick a card,
any card ..."



... to help increase water safety awareness."



US Army Corps
of Engineers®
Mobile District

2019
Ranger Trading
Card Program

When redeeming cards for rewards, staff will initial the back of each card and indicate the award that was received.

Staff will return the initialed cards back to the child.

Previously initialed cards
Do Not Count towards another.

Award Schedule

5 cards: Life Jacket

6 cards: "Wear-It" water bottle and Bobber Card Game

7 cards: Beach Towel, Beach Buddy Matt, "Keep Bartow Beautiful" T-shirt, "Great Lake Allatoona Cleanup" T-Shirt

Buddy Beaver Card: Zoo Atlanta Ticket, Tellus Museum Pass or Booth Western Art Museum Pass (limited supply)

Allatoona – Safe Kids Ranger Trading Card Program



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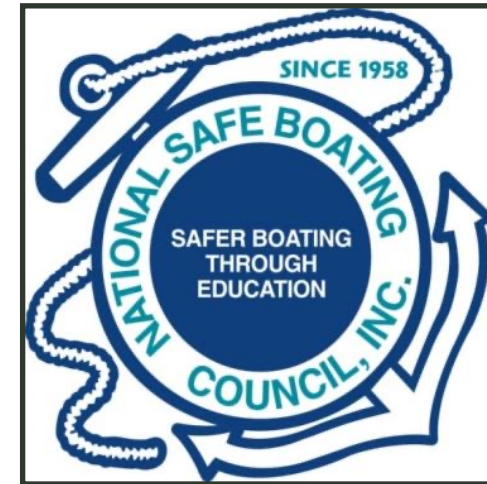
National Safe Boating Council

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- Wear Your Life Jacket To Work Day
- Ready, Set, Wear It
- National Safe Boating Week
- Wear It Campaign
 - Free customized logos
 - Email: sidekicks@boatingsidekicks.com
- Free Resources
- Grassroots Grants
- Awards Program

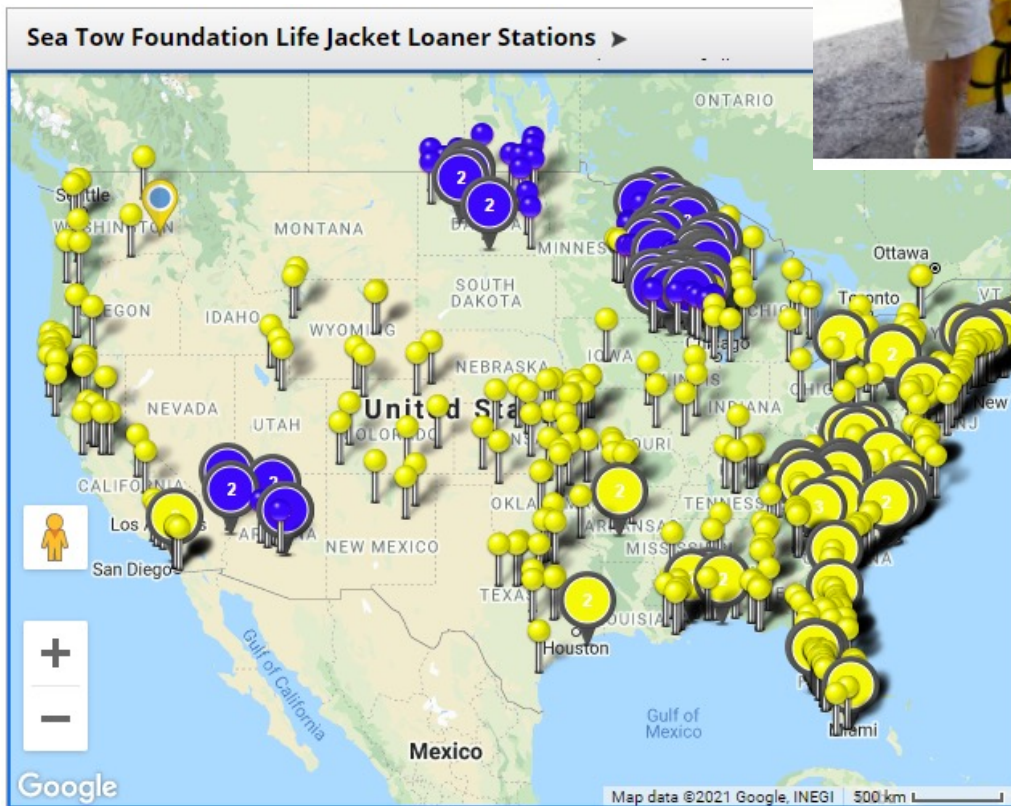
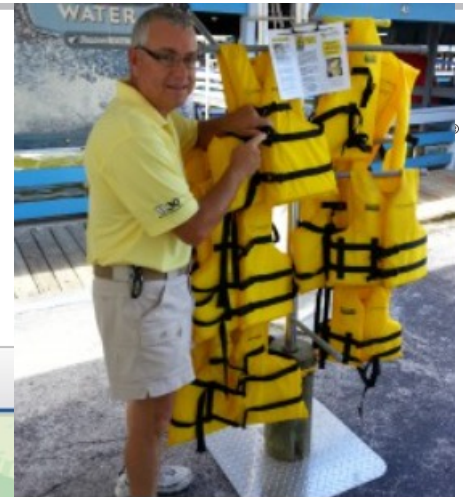
www.safeboatingcouncil.org



Sea Tow Foundation U.S. ARMY

- Boating safety and education
- Life Jacket Loaner Program
- Grants to non-profit partners
- Map of life jacket loaner stations
- On-line safety resources

<http://www.boatingsafety.com/>






Any way you slice it...
 Make **SAFETY** a
 "PIZZA" your life.




Buckle Up!
 Life Jackets and Seat Belts
SAVE LIVES!




WEAR IT FOR LIFE



AWARD OF EXCELLENCE
 The bearer of this certificate is hereby recognized for wearing a properly fitting lifejacket, serving as a role model to others in being safe around the water, and may redeem this for one free ice cream cone!



Bobber's five rules of water safety:
 Learn to swim, wear a lifejacket, swim with a buddy, reach and throw but don't go, and look before you leap!

www.bobber.info
 www.army.mil/ArmySafetyandLifeJackets/LinktotheCouponsheet.aspx 10/01/2012



FREE SMALL FROZEN COKE



Please present coupon before ordering. Limit one coupon per customer. Not to be used with other coupons or offers. Void where prohibited by law. Cash value 1/100¢. State sales tax applicable. Good at participating BURGER KING® restaurants in:
MISSOURI: Cape Girardeau, Scott City, Jackson, Ripkeston, Mner, Perryville, Farmington, Desloge, Poplar Bluff, Kennett, Dexter, Pevelly, Oakville, Peffeross Park, Bulker Hill, Feetus, Richardson Tls, Boveries Ave.
ILLINOIS: Carbondale, Marion, Harrisburg, Arona, Waterloo
KENTUCKY: Paducah, Murray
ARKANSAS: Jonesboro, Paragould, Pocatantas, Blythaville
 TM & © 2012 Burger King Brands, Inc. All rights reserved.

Restaurants

Use you safe. MAKE-IT-CLICK!



BUCKLE UP!

IF You Love Me...

Teach me to swim well.
 Children who know how to swim well are less likely to drown than non-swimmers.

Don't let me swim alone.
 One of the leading causes of accidental death for children is drowning. Make sure I swim with an adult.

Watch me closely at all times when I'm near water.
 It only takes 20 seconds for a child to drown.

Don't let me use inflatable toys.
 Poor swimmers often drown when inflatable toys collapse or float away.

Make sure you put a life jacket on me before I get near water.
 98% of drowning victims would be alive today if they had worn a life jacket.





Hardee's & W. Kerr Scott Safety Award is presented to:

Name

On behalf of Hardee's of Wilkesboro this certificate Entitles bearer to a **FREE** Scoop of Vanilla Premium Ice Cream

Presented by Ranger: _____



FRIENDS OF W. KERR SCOTT LAKE
 Coupon Expires December 31, 2009



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Corporation Sponsored Videos

<https://vimeo.com/341869017/c41875483b>

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Life Jacket Donation





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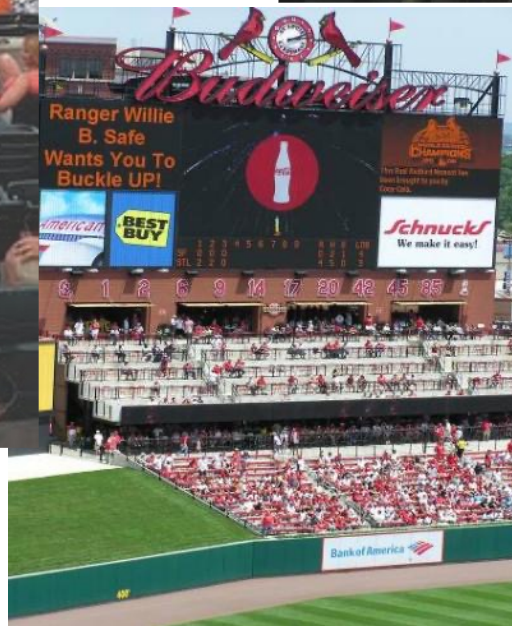
Business Marquees





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Sports Stadiums





NRM Gateway

Water Safety Partnerships



- Your one stop source for partnerships
- MOU/MOA examples
- Water Safety success stories
- All national partnerships
- Toolbox with tons of ideas

The screenshot shows the NRM Gateway website interface. At the top left is the US Army Corps of Engineers logo. The main header reads "Natural Resources Management Gateway" with the tagline "to the future . . .". Below the header is a green navigation bar with buttons for Home, Visitors, Lake Discovery, Recreation, Env Compliance, Env Stewardship, Partners, News/Events, People, Forums, Learning, GETS, Tools, New Postings, Submit, and Index/Search. The main content area is titled "Water Safety Partnerships" and contains a paragraph: "The U.S. Army Corps of Engineers has developed an extensive [national water safety program](#) as well as local community programs to educate visitors about the importance of water safety. Partnerships are a great way to add impact and reach a broader audience with the goal of saving lives. The Corps has partnered with many organizations for water safety product development, special events, and water safety educational programs." Below this paragraph are two columns of links: "Water Safety Success Stories", "Related Sites", "Water Safety Toolbox Partnership Ideas", "News Current Issues", "Water Safety Grants", and "Water Safety Partnership Examples". A vertical sidebar on the left contains the word "Partnerships" written vertically.

Any Other Water Safety Partnerships?

